

New patent claim 1

1. A rotation rate sensor having a vibration gyro (1), with
circuits (2, 3, 4, 5) which are used for operation of the
5 vibration gyro (1) and for emission of a rotation rate signal
and which access variable data, having a non-volatile memory
(8) which can be written to and in which the data is stored,
and having means (5) for reading the data from the non-volatile
memory (8) after switching on the rotation rate sensor, wherein
10 the data is subdivided on the basis of its use into groups, and
measures for signal protection are taken for one group in each
case, characterized in that the memory (8) is arranged such
that the data for in each case one group can be written and
read independently of the data in the other groups, and in that
15 a checksum is formed over the data for in each case one group,
is stored in the non-volatile memory (8) and is used for
checking during reading.

New patent claims

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2. The rotation rate sensor as claimed in claim 1, characterized in that the non-volatile memory is an EEPROM (8).

15 3. The rotation rate sensor as claimed in claim 2, characterized in that the EEPROM (8) is a flash EEPROM.

4. The rotation rate sensor as claimed in one of the preceding claims, characterized in that one of the groups
20 contains adjustment data.

5. The rotation rate sensor as claimed in one of the preceding claims, characterized in that one of the groups contains parameter sets for filters.

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6. The rotation rate sensor as claimed in one of the preceding claims, characterized in that one of the groups contains value limits for self-testing of the rotation rate sensor.

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7. The rotation rate sensor as claimed in one of the preceding claims, characterized in that a software emulation program is also stored in the non-volatile memory (8).